

Human Fatty Acid Binding Protein 4, Adipocyte (FABP4) ELISA Kit | FABP4 elisa kit

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CATALOG #
AAA137397

REACTIVITY
Human

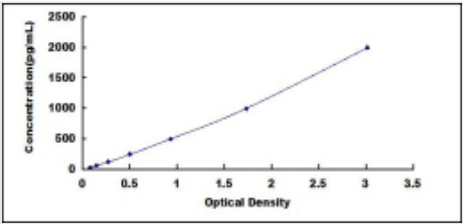
PRODUCT SYNONYMS

Fatty Acid Binding Protein 4; Adipocyte (FABP4); Human Fatty Acid Binding Protein 4; Adipocyte (FABP4) ELISA Kit; A-FABP; AFABP; AP2; Adipocyte Protein 2; Adipocyte-type fatty acid-binding protein; FABP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Fatty Acid Binding Protein 4, Adipocyte (FABP4). No significant cross-reactivity or interference between Fatty Acid Binding Protein 4, Adipocyte (FABP4) and analogues was observed.
Sequence Length	132
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Fatty Acid Binding Protein 4, Adipocyte (FABP4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Fatty Acid Binding Protein 4, Adipocyte (FABP4) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FABP4 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Fatty Acid Binding Protein 4, Adipocyte (FABP4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Fatty Acid Binding Protein 4, Adipocyte (FABP4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Fatty Acid Binding Protein 4, Adipocyte (FABP4), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Fatty Acid Binding Protein 4, Adipocyte (FABP4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for FABP4 elisa kit	Metabolic pathway; Endocrinology; Cardiovascular biology; Hepatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119607498
NCBI GeneID	2167
UniProt Accession #	P15090; Q6IBA1
Molecular Weight	14,719 Da
NCBI Official Full Name	fatty acid binding protein 4, adipocyte
NCBI Official Synonym Full Names	fatty acid binding protein 4, adipocyte
NCBI Official Symbol	FABP4
NCBI Official Synonym Symbols	aP2; ALBP; AFABP; A-FABP; HEL-S-104
NCBI Protein Information	fatty acid-binding protein, adipocyte
UniProt Protein Name	Fatty acid-binding protein, adipocyte
UniProt Gene Name	FABP4
UniProt Synonym Gene Names	ALBP; A-FABP; AFABP
UniProt Entry Name	FABP4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.